

[0149] In process block 1805, the voter is taken to the my elections screen on the VBM blockchain application where he/she can view upcoming and open elections. The process then proceeds to process block 1806.

[0150] In process block 1806, the voter can toggle between a my election screen, a my profile screen, and a help screen to view and vote in elections, view and edit profile, and request help in each respective screen using the VBM blockchain application.

[0151] FIG. 19 displays a flow chart demonstrating one embodiment of how a election official could create a new election for use with the secure voting system. The process starts in process block 1901. In process block 1901, the election official opens the VBM web application and enters their username and password. In some embodiments, the VBM web application can be the vote by mail election official application 1403. The process then proceeds to process block 1902.

[0152] In process block 1902, the election official selects the manage elections button from the ribbon on the VBM web application. The process then proceeds to process block 1903.

[0153] In process block 1903, the election official selects a create new election button on the VBM web application. The process then proceeds to process block 1904.

[0154] In process block 1904, the election official selects the import election button on the VBM web application. The process then proceeds to process block 1905.

[0155] In process block 1905, the election official uploads the latest CSV file or other data file that includes the election and corresponding ballots. The process then proceeds to process block 1906.

[0156] In process block 1906, when the election is successfully upload, the election official can save the election and it will be added to the list of the upcoming elections.

[0157] FIG. 20 displays a flow chart demonstrating one embodiment about how a ballot can be presented to the voter and then cast by the voter using the secure voting system. The process begins with the process block 2001. In process block 2001, the voter enrolls in a particular election using the VBM blockchain application. In some embodiments, this VBM blockchain application can be application 1401. The process then proceeds to process block 2002.

[0158] In process block 2002, the secure voting system confirms that the voter is eligible to vote in the election he or she selected. In some embodiments, this can be confirmed by the blockchain access layer 101 or 1401 using voter registry 142. The process then proceeds to process block 2003.

[0159] In process block 2003, a QR code generates a QR code for the voter. The process then proceeds to process block 2004.

[0160] In process block 2004, an election official send the QR code to the voter via mail. The process then proceeds to process block 2005.

[0161] In process block 2005, the voter then opens the elections from the home screen of the VBM blockchain application. The process then proceeds to process block 2006.

[0162] In process block 2006, the voter scan the QR code using the VBM blockchain application. This gives the voter access to the ballot for the election. The process then proceeds to process block 2007.

[0163] In process block 2007, the voter uses the VBM blockchain application to make selections on the ballot. The process then proceeds to process block 2008.

[0164] In process block 2008, the voter signs the affidavit and submits the affidavit and ballot to the election official using the VBM blockchain application. In some embodiments, the voter signs the affidavit using a stylus or finger to create a digitized version of the user's signature.

[0165] FIG. 21 displays a flow chart demonstrating one embodiment of how the votes can be tabulated using the secure voting system. The process begins with process block 2101. In process block 2101, the system submits the ballot and affidavit file to the election official for tabulation to occur. In some embodiments, the ballot access layer 1402 or 101 submits sends this information to election official application 1403 from voting databases 1404. The process then proceeds to process block 2102.

[0166] In process block 2102, the election official confirms receipt of the two files using the VBM web application. In some embodiments, the VBM web application can be the vote by mail election official application 1403. The process then process to process block 2103.

[0167] In process block 2103, the election official accepts or rejects the affidavit using the VBM web application to confirm that the ballot was appropriately cast. The election official can send this information to the ballot access layer 101 or 1401. The process then proceeds to process block 2104.

[0168] In process block 2104, the ballot is recorded on the blockchain by the blockchain access layer 101 or 1401 and the link between the affidavit and ballot is destroyed.

[0169] Various illustrative logics, logical blocks, modules, circuits and algorithm steps described in connection with the implementations disclosed herein may be implemented as electronic hardware, computer software, or combinations of both. The interchangeability of hardware and software has been described generally, in terms of functionality, and illustrated in the various illustrative components, blocks, modules, circuits, and steps described above. Whether such functionality is implemented in hardware or software depends upon the particular application and design constraints imposed on the overall system.

[0170] In one or more aspects, the functions described herein may be implemented in hardware, digital electronic circuitry, computer software, firmware, including the structures disclosed in this specification and their structural equivalents thereof, or in any combination thereof. Implementations of the subject matter described in this specification also can be implemented as one or more computer programs, e.g., one or more modules of computer program instructions, encoded on a computer storage media for execution by, or to control the operation of, data processing apparatus.

[0171] If implemented in software, the functions may be stored on or transmitted over as one or more instructions or code on a computer-readable storage medium. The steps of a method or algorithm disclosed herein may be implemented in a processor-executable software module which may reside on a computer-readable storage medium. Computer-readable storage media includes both computer storage media and communication media including any medium that can be enabled to transfer a computer program from one place to another. A storage media may be any available media that may be accessed by a computer. By way of